

ADDENDUM A

TABLE 1 – NUCLEOTIDE SEQUENCES

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SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
1	D-1	ACT TAC AAA ACA AAG GAG GAA ATG ATA GTA GCA ACG AGT CAG ACC AGT CAA TAT	Integrin α_2 subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	1
NA	D-2	ACT TAC AAA	Integrin α_2 subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
3	D-3	CAG ACC AGT CAA TAT	Integrin α_2 subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
5	D-4	ATA GCA GTA ATA GGA	Integrin α_2 subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	3
7	D-5	AAT TTC CTA GAG AAG TTT GTT CAG GGT CTC GAT ATC GGC CCT ACC AAA ACC CAG GTC GGT CTG ATA CAA TAT GCG AAT AAT CCA CGC TGG TTC AAT CTA AAT ACT TAT AAG ACT AAG GAA GAG ATG ATT GTT GCT ACC TCC CAG ACT AGC CAG TAC GGC GGT GAT CTA ACA AAT ACA TTC GGA GCG ATC CAG TAT GCG CGA AAA TAT GCG TAT TCA GCG GCC TCT GGA GGC CGT CGA AGT GCA ACA CTT AAA GTA ATG GTG	Integrin α_2 subunit (CD49b, VLA-2, platelet gpla) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	4
9	D-6	TAC AAC GTC GAC ACA GAA TCT GCA CTT TTA TAT CAG GGC CCG CAT AAT ACA CTG TTT GGC TAC AGT TGG CTC CAC TCC CAT GGA GCT CAT AGA TGG CTA CTG GTA GGA GCG CCA ACA GCA ATG TGG TTA GCA ATG GCA AGC GTT ATT AAT CCT GGG GCC ATC TAT AGA TGC AGA ATA GGA AAA AAC CCA GGG CAG ACG TGT GAA TTG CAA TTG GGT TCA TTC CAC GGT GAG CCC GGC GGT AAG ACT TGT CTA GAG GAA AGA GAT CAC CAA TGG CTT GGG GTG ACC CTC TCG AGA	Integrin α_4 subunit (CD49b, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
11	D-7	CAG GAT TAT GTA AAG AAA TTC GGC GAA CAT TTT GCA AGT TGT CAA GCA GGG ATA TCC TCG TTC TAT ACG AAA GAC TTA ATC GTA ATG GGT GCA CCA GGA TCT TCA TAC TGG ACA GGA AGC TTA TTT GTA TAC ATG ATT ACC ACT AAT AAG TAT AAA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
13	D-8	CAG GAT TAT GTA AAG AAA TTC GGC GAA CAT TTT GCA AGT TGT CAA GCA GGG ATA TCC TCG TTC TAT ACG AAA GAC TTA ATC GTA ATG GGT GCA CCA GGA TCT TCA TAC TGG ACA GGA AGC TTA TTT GTA TAC ATG ATT ACC ACT AAT AAG TAT AAA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
15	D-9	GGA CAT AGA TGG AAA AAC ATA TTT TAT ATA AAG AAT GAA AAT AAA TTA CCA ACA GGA GGA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
17	D-10	GGA GGA GCA CCA CAG CAT GAA CAA ATA GGA AAA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
19	D-11	AGT TAT TGG ACA GGA AGT	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
21	D-12	ATG GGA GCA CCA GGA AGT AGT TAT TGG ACA GGA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	7
23	D-13	TAC AAT GTA GAT ACA GAA AGT GCA TTA CTC TAT CAA GGT CCA CAC AAC ACA TTG TTT GGG TAT AGT TGG CTT CAT AGT CAT GGA GCA CAC AGA TGG CTG CTA GTA GGC GCA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
25	D-14	ATA GTA ACG TGT GGC CAT AGA TGG AAA AAT ATT TTT TAT ATC AAA CAC GAA AAC AAA TTA CCA ACA GGA GGG TGT TAT GGC GTG CCC CCG GAT TTA AGA ACC GAA TTA AGT AAG AGA ATA GCC CCT GGT TAT CAG GAC TAC GTT AAA AAG TTC GGA GAG CAT TTT GCT AGT TGC CAA GCA GGT ATC AGT AGT TTC TAC ACT AAG GAT TTA ATT GTC ATG GGG GCG	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
27	D-15	TAC ATG ATT ACC ACT AAC AAG TAT AAA GCG TTT TTA GGG AAG CAA AAT CAG GTG AAG CCA GGA AGT TAT TTA GGG TAT AGT GTA GGT GCC GGC CAT TTC AGA AGT CAA CAC ACG ACA GAA GTT GTC GGC GGT GCA CCA CAA CAT GAG CAG ATA GGA AAA GCT TAC ATC TTT AGT ATA GAT GAA AAA GAA TTA AAT ATA TTA CAC GAG ATG AAG GGA AAA AAA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
29	D-16	TTA GGA TCA TAT TTC GGA GCA TCC GTC GGC GCA GTC GAC TTA CAC GCT GAT GGC TTC TCA GAC CTG CTC GTC GGT GCT CCC ATG CAA TCG ACG ATA AGA GAA GAG GGT AGA GTT TTT GTT TAC ATC AAT TCT GGA AGC GGG GCA GTT ATG AAC GCA ATG GAG ACA AAC TTA GTG GGA AGT GAC AAA TAC GCA GCG CGA TTT GGG GAA TCC ATC GTG AAT TTG GGA GAT ATT GAC AAT GAC GGG TTT GAA GAC GTA GCG ATT GGA GCA CCA CAG GAG GAC GAT CTC CAG GGA GCT ATC TAT ATC TAC AAC GGC AGA GCG GAT GGT ATA TCT TCA ACA TTT TCC CAA AGA ATT GAG GGC CTA CAA ATA TCG AAG TCG CTA TCC ATG TTT GGG CAG AGT ATT TCT GGT CAG ATC GAC GCG GAT AAC AAT GGC TAT GTG GAT GTA GCA GTA GGC GCG TTC AGG AGT GAT CGT AGC GAT TCT GCT GTT TTG TTA AGA ACG CGT CCA GTC GTC ATA GTG GAC GCT TCA CTT AGT CAT CCT GAA TCA GTA AAC CGA ACA AAG TTT GAT TGT GTC GAG AAT GGG TGG CCG AGC GTG TGT ATA GAT CTG ACA TTA TGC TTC TCG TAC AAA GGG AAG GAA GTT CCT GGT TAT ATT GTA TTA TTC TAC AAT ATG AGT CTT GAT GTT AAC CGC AAA GCC GAA TCG CCA CCG CGG TTT TAT TTC AGT AGC AAT GGT ACT AGT GAT GTA ATT ACT GGA AGC ATA CAA GTG TCT TCC AGA GAA GCC AAC TGC CGG ACC CAT CAA GCC TTC ATG CGC AAA GAC GTA AGG GAC ATA TTA ACC CCC ATA CAG ATC GAG GCC GCC TAT	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
31	D-17	TCC TCA ATA TAT GAC GAC TCC TAC CTC GGA TAC AGT GTA GCG GTC GGC GAA TTT TCG GGA GAC GAC ACA GAA GAT TTT GTA GCT GGG GTG CCC AAA GGG AAT TTG ACT TAT GGC TAC GTT ACC ATA CTA AAT GGT TCT GAT ATT CGT AGT TTA TAT AAT TTC AGT GGG GAG CAA ATG GCA AGC TAT TTC GGA TAT GCG GTA GCA GCG ACC GAC GTC AAC GGT GAT GGG CTG GAC GAT TTG CTT GTC GGG GCC CCG TTA CTT ATG GAC CGC ACT CCA GAT GGA AGA CCA CAG GAA GTG GGT CGT GTA TAT GTG TAC TTA CAG CAC CCA GCA GGT ATA GAG CCG ACA CCG ACT TTG ACG CTA ACC GGA CAC GAC GAG TTC GGC CGG TTT GGC AGT TCA TTA ACA CCC CTT GGA GAC TTA GAT CAG GAT GGA TAC AAT GAC GTT GCT ATT GGG GCA CCA TTT GGT GGC GAA ACG CAA CAA GGT GTA GTA TTC GTG TTT CCT GGA GGC CCT GGA GGC TTA GGC AGT AAA CCT TCG CAA GTT TTG CAG CCA CTA TGG GCC GCT AGC CAT ACG CCC GAT TTC TTT GGC AGC GCT CTG AGA GGG GGG AGG GAC CTC GAC GGT AAC GGG TAT CCT GAT CTG ATC GTT GGT AGT TTT GGA GTC GAT AAG GCG GTG GTC TAC AGA GGG CGG CCC ATA GTT TCA GCA AGT GCC AGC CTT ACG ATA TTC CCC GCC ATG TTT AAT CCT GAG GAG AGA TCT TGC TCA TTG GAA GGT AAC CCG GTC GCG TGT ATC AAC CTC TCC TTC TGT TTA AAC GCA TCG GGT AAA CAT GTG GCT GAT TCG ATC GGA TTT ACA GTA GAA CTT CAA CTA GAT TGG CAG AAG CAA AAA GGC GGA GTT AGA CGA GCC CTC TTC CTC GCA TCC AGG CAG GCG ACT TTA ACA CAA ACC CTA CTG ATA CAG AAC GGA GCC AGA GAG GAT TGC CGC GAA ATG AAG ATC TAC CTG AGA AAT GAA TCT GAG TTC CGA GAC AAG TTA TCT CCG ATT CAT ATT GCT	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	9

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
33	D-18	AGC TAC CTA GGA TAT AGT GTT GCT GTA GGC GAG TTC AGC GGA GAT GAT ACA GAA GAC TTT GTT GCA GGG GTG CCT AAG GGG AAT CTA ACA TAT GGG TAC GTA ACA ATC CTC AAC GGA TCG GAT ATT CGT AGT TTA TAC AAT TTC TCC GGT GAG CAA ATG GCC TCA TAT TTT GGA TAC GCC GTT GCG GCT ACG GAC GTT AAC GGT GAC GGA TTA GAC GAT CTT CTT GTG GGA GCT CCC CTG CTG ATG GAC CGA ACC CCT GAT GGT AGA CCC CAG GAA GTC GGA AGA GTC TAC GTC TAC TTG CAA CAT CCC GCC GGC ATA GAA CCA ACG CCA ACT TTA ACT CTC ACT GGG CAT GAC GAA TTT GGT AGA TTC GGT TCC TCT TTA ACC CCT CTT GGC GAC TTG GAC CAG GAT GGA TAT AAT GAT GTG GCA ATA GGC GCG CCG TTT GGG GGC GAG ACC CAG CAA GGC GTG GTG TTC GTC TTT CCA GGT GGA CCG GGT GGG CTA GGG TCT AAA CCA TCA CAA GTT TTA CAG CCA TTA TGG GCA GCG AGT CAC ACG CCA GAT TTT TTC GGC AGT GCA CTC AGG GGT GGA CCG GAC TTG GAC GGC AAC GGC TAT CCG GAT CTG ATA GTA GGG TCG TTC GGT GTA GAT AAA GCA GTA GTC TAT CGC GGG	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	10
35	D-19	GCA CAT GGT TCG AGC ATC TTA GCA TGC GCT CCT CTC TAC AGC TGG AGA ACG GAA AAA GAA CCC TTA TCT GAT CCG GTC GGG ACG TGT TAT TTA TCG ACC GAC AAC TTT ACA AGA ATC TTA GAG TAC GCG CCA TGT AGA TCT GAT TTC AGT TGG GCA GCG GGT CAA GGG TAT TGC CAA GGC GGC TTC AGT GCC GAA TTT ACT AAG ACC GGA AGA GTA GTG CTT GGA GGT CCA GGA TCA TAC TTT TGG CAG GGC CAA ATT CTA TCC GCT ACA CAA GAG CAG ATA GCA GAG AGT TAT TAT CCA GAA TAC CTG ATA AAT TTA GTT CAG GGC CAG TTG CAG ACT AGA CAA GCC TCA TCC ATT TAT	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	11
37	D-20	GAT TTT AGT TGG GCA GCA	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	11

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
39	D-21	GGA GTA GAC GTA GAT CAG GAT GGC GAA ACA GAG TTA ATA GGA GCA CCA TTA TTT TAT GGT GAA CAA AGA GGG	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
41	D-22	ATA ACA GAT GGA GAA GCA ACA GAC AGT GGA CAA ATT GAT GCA GCA AAA GAC ATC ATA TAT ATT ATA GGA ATC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
43	D-23	ATA ACA GAT GGA GAA GCA ACA AGT GGA TGT	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	13- 14
45	D-24	GGA GTA GAC GTA GAT CAA GAT GGA GAA ACA TGT	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	15
47	D-25	TGC CCA AAT AAG GAA AAA GAG TGT	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	16
49	D-26	AAA GAA TTT GTA AGT ACA	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β - glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
51	D-27	CCA ATA ACA CAA TTA TTA GGA AGA ACC CAT ACG GCA ACT GGA ATA AGA AAA	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β - glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
53	D-28	AAA TTT GGA GAC CCA TTA GGA TAT GAA GAT GTA ATA CCA GAG GCA GAT AGA	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β - glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17, 18
55	D-29	GGA TGT CCA CAA GAA GAT AGT GAC ATT GCA TTC TTA ATA GAT GGA AGT GGA AGT ATA ATC CCA CAT GAC TTT	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β - glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19
57	D-30	TTT AGA AGA ATG AAA GAG TTT GTA AGT ACA GTA ATG GAA CAA TTA AAG AAA AGT AAG ACA TTA TTC AGT	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β - glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19

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59	D-31	GGA AAT AGT TTT CCA GCA AGT TTA GTA GTA GCA GCA GAA GAG GGA GAG AGA GAA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
61	D-32	AAC GCA CAA ATC GGA ATT GCA ATG TTA GTA AGT GTA GGA AAT TTA GAG GAA GCA GGA GAA AGT GTA AGT TTT CAA TTA CAG ATA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
63	D-33	ACA TTA GGA CCA AGT CAA GAA GAG ACA GGA GGA GTA TTT TTA TGT CCA TGG AGA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
65	D-34	GCA GAA GGA GGA CAA TGT CCA AGT TTA TTA TTT GAT TTA	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
67	D-35	GCC ATG GTC ACA GTA TTG GCA TTT CTT TGG CTC CCA AGT CTA TAT CAG AGA CCA CTG GAT CAA TTT GTG TTA CAA AGT CAT GCT TGG TTC AAT GTT AGT AGT TTA CCA TAC GCG GTA	Integrin α_{IIb} subunit (CD41) light chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
69	D-36	GGA GCA CAT TAT ATG AGA GCA TTA AGT AAT GTA GAA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	21
71	D-37	GGA GCA CCA TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
73	D-38	GGA GAT GGA AGA CAT GAC TTA TTA GTA GGA GCA CCA TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
75	D-39	ACA GAT GTA AAT GGA GAC GGA AGA CAT GAT TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
77	D-40	GGA GAT GGA AGA CAT GAC TTA TTA GTA GGA GCA CCA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
79	D-41	GGA GAC GGA AGA CAT GAT TTA TTA GTA GGA GCA CCA TTA TAT	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	24

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81	D-42	GAA TTT GAC GGT GAT CTT AAT ACG ACT GAG TAC GTC GTC GGA GCA CCA ACT TGG TCG TGG ACA TTA GGC GCA GTC GAG ATA CTC GAC AGT TAT TAT CAG AGG TTA CAT AGA TTA CGT GCA GAA CAG ATG GCG TCC TAC TTT GGT CAC AGC GTA GCG GTA ACG GAT GTG AAC GGA GAC GGC CGC CAT GAC TTG CTA GTT GGA GCT CCG CTC TAC ATG GAG AGT CGA GCA GAT CGC AAG CTT GCT GAA GTG GGC CGA GTA TAT CTT TTC CTT CAA CCA CGG GGT CCC CAC GCC CTA GGC GCT CCT AGT TTA TTG TTA ACC GGA ACA CAG TTG TAT GGT AGA TTC GGA TCT GCA ATA GCG CCA CTC GGG GAT TTG GAT AGA GAT GGC TAT AAC GAT ATA GCT GTG GCC GCC CCT TAC GGA GGA CCC TCC GGC AGA GGG CAG GTT CTG GTT TTC CTA GGG CAA AGT GAA GGG TTA AGG TCA AGA CCG TCT CAA GTC TTA GAC TCG CCA TTT CCA ACC GGA AGT GCG TTT GGG TTC AGT CTC CGT GGT GCA GTG GAC ATC GAT GAC AAT GGT TAC CCG GAT CTA ATT GTT GGA GCC TAC GGG GCC AAT CAA GTA GCA GTA TAT CGG GCG CAG CCC GTA GTT AAA GCT TCA GTC CAA CTG CTG GTG CAA GAC AGC CTG AAC CCT GCA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	25
83	D-43	GCA GTA ACA GAT GTA AAT GGA GAC GGA AGA CAT GAT TTA TTA GTA GGA GCA CCA TTA TAT	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	26

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
85	D-44	TTT TCC TCA GTC GTG ACA CAA GCT GGC GAG TTA GTA TTG GGG GCT CCC GGA GGC TAC TAC TTC CTG GGG CTA CTC GCA CAG GCA CCC GTG GCG GAC ATA TTC TCG TCT TAT AGA CCT GGG ATT TTG TTG TGG CAC GTC TCC TCT CAG TCT TTA AGT TTC GAT AGT AGC AAT CCA GAA TAT TTT GAC GGA TAC TGG GGG TAT TCT GTG GCA GTC GGT GAG TTC GAT GGT GAT CTG AAT ACT ACA GAA TAT GTG GTA GGG GCT CCT ACA TGG AGT TGG ACT TTA GGC GCG GTC GAG ATA TTA GAT AGC TAC TAC CAA CGC TTA CAC AGA TTG CGT GCT GAA CAA ATG GCC TCC TAC TTT GGT CAT TCA GTC GCC GTT ACC GAT GTG AAT GGT GAT GGA CGG CAT GAC CTC CTA GTT GGA GCT CCA CTT TAC ATG GAG AGC AGA GCG GAC CGA AAG TTA GCT GAA GTA GGA AGA GTT TAT TTG TTC CTA CAA CCG AGG GGC CCG CAT GCG CTT GGC GCA CCT TCC TTA CTT CTG ACC GGT ACG CAA CTT TAC GGG CGA TTT GGG TCG GCC ATT GCG CCA CTG GGG GAC CTT GAT CGC GAC GGA TAT AAC GAC ATC GCA GTT GCC GCG CCT TAT GGA GGC CCA TCG GGT CGG GGA CAG GTT CTA GTG TTC CTC GGT CAA AGT GAA GGC CTC CGT AGT AGA CCG AGC CAG GTA CTG GAC AGT CCG TTT CCC ACG GGC TCG GCT TTT GGT TTT TCA TTA AGA GGT GCG GTA GAC ATC GAT GAT AAC GGA TAC CCC GAT CTC ATA GTA GGG GCC TAT GGC GCC AAC CAG GTC GCA GTT TAT AGG GCC CAG CCA GTA GTG AAA GCA TCA GTC CAA TTA CTA GTT CAG GAC	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	27
87	D-45	GTA GAA AAT GAT TTT AGT TGG	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
NA	D-46	GAA TAT	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
89	D-47	GGA GAA TTA GTA TTA	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
91	D-48	GAT TTA TAT TAT TTA ATG GAC TTA AGT TAC AGT ATG AAA	All integrin β subunits	FN, Fb, CN I, VN	All named pathologies	29

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
NA	D-49	D\$\$\$\$DXSX\$KDDL; \$, any hydrophobic residue; X, any residue	All integrin β subunits	All named ligands	All named pathologies	29
93	D-50	TAC TGC CGA AAA GAA AAC TCA TCG GAA ATA TGT AGT AAC AAT GGG GAG TGC GTC TGC GGC CAA TGT GTA TGC CGG AAA CGT GAC AAC ACA AAC GAA ATC TAT AGT GGA AAG TTT TGT GAG TGT GAT AAT TTC AAC TGT GAT CGC AGC AAT GGC TTA ATA TGC GGT GGC AAT GGA GTT TGC AAG TGT AGG GTG TGT GAA TGC AAT CCA AAT TAT ACA GGG AGT GCA TGC GAT TGC TCT TTA GAC ACT AGT ACG TGC GAG GCA TCC AAC GGG CAG ATA TGT AAT GGA AGA GGT ATT TGT GAG TGT GGT GTA TGC AAA TGT ACC GAC	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	30
95	D-51		Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	31

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
97	D-52	TTG CGA TTA CGC TCG GGC GAA CCC CAG ACA TTT ACG CTT AAG TTC AAA CGG GCT GAG GAT TAT CCT ATC GAC CTT TAC TAT CTT ATG GAT CTC TCA TAT AGT ATG AAA GAT GAT CTG GAG AAT GTT AAG TCC TTA GGG ACC GAT TTA ATG AAC GAG ATG AGA AGA ATC ACT TCA GAC TTC AGA ATT GGA TTT GGC TCT TTT GTC GAA AAA ACC GTA ATG CCA TAC ATA AGC ACA ACC CCA GCA AAG CTG AGG AAT CCG TGT ACA TCG GAG CAA AAC TGC ACT ACT CCC TTC AGT TAT AAG AAT GTT CTC AGT CTG ACG AAC AAA GGG GAA GTA TTT AAC GAG CTA GTG GGA AAA CAG AGA ATT AGC GGT AAC CTC GAC TCT.CCA GAA GGT GGT TTT GAT GCA ATT ATG CAA GTT GCA GTG TGT GGA TCT CTA ATA GGG TGG CGT AAT GTA ACT AGA CTA TTG GTG TTT TCC ACC GAC GCC GGC TTC CAC TTC GCT GGA GAC GGC AAG CTA GGG GGA ATC GTA TTG CCT AAC GAT GGT CAG TGC CAT TTG GAA AAT AAT ATG TAT ACG ATG TCG CAC TAC TAC GAC TAC CCA TCC ATA GCC CAT TTA GTC CAA AAG CTG AGC GAA AAC AAT ATT CAA ACA ATA TTT GCG GTA ACG GAA GAG TTC CAG CCA GTC TAT AAG GAG CTT AAA AAT CTC ATC CCG AAA TCA GCG	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	32
99	D-53	AAC AAG GGA GAA GTA TTT AAT GAG TTA GTA GGA AAA	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	33
101	D-54	ACA GCA GAA AAA TTA	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	34
103	D-55	GAT TAC CCA ATA GAC TTA TAC TAT TTA ATG GAC TTA AGT TAT AGT ATG AAG GAT GAT TTA GAA GTA AAA AGT TTA GGA	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	35
105	D-56	AAT GTA AAG AGT TTA GGA ACA GCA TTA ATG AGA GAG ATG GAA AAA ATA ACA AGT GAT TTT	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	36

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
107	D-57	GGA CAA AAA CAG TTA AGT CCG CAG AAG GTC ACT CTA TAC TTG CGT CCC GGG CAA GCA GCC GCG TTC AAC GTA ACG TTT CGT CGC GCA AAA GGA TAC CCA ATA GAC CTT TAT TAT TTA ATG GAT TTA TCC TAC TCA ATG CTC GAT GAT TTA AGA AAC GTT AAG AAG TTA GGC GGG GAT CTG CTC AGA GCT CTC AAT GAG ATA ACT GAA AGT GGT CGG ATA GGT TTC GGT TCG TTC GTT GAT AAG ACG GTG CTG CCC TTT GTA AAT ACA CAC CCA GAC AAA CTG AGG AAC CCC TGC CCA AAT AAG GAG AAA GAA TGC CAG CCG CCT TTC GCT TTT CGC CAT GTC CTA AAA TTA ACA AAT AAT AGC AAT CAA TTT CAG ACC GAG GTA GGA AAA CAA CTT ATT AGT GGA AAC TTA GAC GCC CCA GAG GGC GGC TTA GAC GCA ATG ATG CAA GTA GCA GCC TGT CCG GAG GAA ATT GGT TGG CGG AAT GTC ACC AGG TTG TTG GTA TTT GCC ACT GAC GAT GGA TTC CAT TTT GCT GGA GAT GGC AAG CTA GGG GCG ATT CTT ACC CCT AAC GAC GGG CGA TGT CAC CTC GAA GAC AAC CTA TAT AAG AGA AGT AAT GAA TTC GAT TAT CCA TCT GTG GGA CAA CTG GCG CAT AAG TTG GCT GAG AAC AAC ATA CAG CCA ATC TTT GCA GTT ACA AGT CGA ATG GTG AAA ACA TAC GAA AAA CTT ACG GAA ATC ATC CCT AAA AGT GCG	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	37

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
109	D-58	TAC CCA ATA GAT CTC TAC TAC CTG ATG GAT CTA TCC TAT TCA ATG CTG GAC GAT CTA CGT AAC GTT AAG AAA CTT GGA GGT GAT TTA CTA AGA GCT CTT AAC GAA ATC ACG GAG AGT GGG CGA ATC GGC TTC GGC TCA TTC GTC GAC AAG ACA GTA TTG CCC TTC GTA AAC ACG CAC CCA GAC AAG CTT AGA AAC CCC TGC CCA AAT AAA GAG AAA GAG TGT CAA CCC CCG TTT GCC TTT AGA CAT GTC TTA AAG CTC ACG AAT AAC AGC AAT CAG TTT CAG ACA GAA GTT GGA AAA CAA CTG ATA TCG GGT AAT CTA GAC GCA CCA GAG GGG GGA CTT GAT GCC ATG ATG CAG GTG GCA GCC TGC CCG GAG GAA ATT GGG TGG AGG AAT GTC ACA AGA CTG CTA GTT TTC GCA ACT GAT GAC GGG TTT CAT TTT GCT GGA GAT GGT AAA CTG GGC GCA ATT TTG ACT CCT AAC GAT GGA CGG TGT CAT TTG GAA GAC AAC CTC TAT AAA AGA AGC AAT GAA TTC GAC TAT CCT AGT GTA GGT CAA TTA GCG CAC AAG TTA GCA GAA AAC AAT ATA CAA CCG ATA TTT GCG GTT ACC AGT CGC ATG GTG AAA ACA TAC GAA AAG TTA ACC GAG ATA ATT CCA AAA TCT GCT GTG GGC GAG CTC TCC GAA GAT AGT AGT AAT GTC GTA CAC TTG ATC AAG AAT GCA TAT AAC AAA TTA TCT AGT AGA GTA TTT TTG GAC CAT AAT GCG CTT CCT GAT ACT CTC AAG GTG ACC TAT GAC TCG TTC	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	38
111	D-59	AGA AAT GTA AAA AAG	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
113	D-60	CAA CCA CCA TTT GCA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
115	D-61	TTA ATA AGT GGA AAT TTA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
117	D-62	GGA CAA TTA GCA CAT	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
119	D-63	GAG CTC TCA GAA GAT TCT AGT AAT GTC GTC CAT TTA ATC AAA AAC GCC TAT AAC AAA CTA AGT TCG AGA GTT TTC TTA GAC CAC AAT GCA CTG CCA GAT ACG TTG AAG GTA ACA TAC GAC AGC TTT TGC TCC AAT GGG GTG ACC CAT AGA AAC CAG CCA AGA GGC GAT TGT GAC GGA GTA CAA ATA AAT GTA CCA ATA ACA TTC CAG GTT AAG GTG ACA GCT ACT GAG TGT ATA CAA GAA CAA AGT TTT GTA ATT AGA GCG CTT GGT	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40
121	D-64	GGT TTC ACC GAC ATT GTA ACA GTA CAG GTA TTA CCA CAA TGC GAA TGC AGA TGT AGA GAT CAA AGT AGA GAC AGA AGT TTA TGC CAT GGA AAG GGC TTT TTA GAA TGT GGA ATC TGT AGA TGC GAT ACG GGA TAT ATA GGA AAA AAT TGT GAG TGT CAG ACT CAA GGG	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
123	D-65	TGT AAT GCA TTT AAG ATA TTA GTA GTA ATA ACA GAT GGA GAA AAA	Integrin β_2 subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
125	D-66	ACA GGA ATA AGA AAG GTA GTA AGA GAA TTA TTT AAT ATA ACA AAC GGA GCA AGA AAA AAT	Integrin β_2 subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
127	D-67	GAT TTA AGT TAT AGT CTC GAC GAT CTG AGA AAT GTA AAG AAA CTT GGA GGA GAC CTA TTA AGA GCA TTG AAC GAA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	42, 43
129	D-68	GAC TAT CCC GTA GAC ATA TAC TAC CTT ATG GAT TTA AGT TAC TCC ATG AAG GAC GAT CTC TGG TCA ATT CAG AAC TTG GGA ACA AAA CTA GCA ACA CAA ATG AGA AAG CTG ACA TCG AAT TTA AGA ATA GGA TTT GGA GCA TTC GTA GAT AAA CCA GTA AGC CCT TAT ATG TAT ATC TCT CCA CCG GAA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	44
131	D-69	GAC GCA CCA GAA GGA GGA TTT GAT GCA ATA ATG CAA GCA ACA GTA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	45

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
133	D-70	TTT TCC ATA CAG GTT CGA CAG GTA GAG GAT TAT CCA GTA GAC ATC TAT TAC TTA ATG GAC TTA AGC TAT AGT ATG AAG GAC GAT CTC TGG AGT ATA CAA AAT TTA GGT ACC AAG TTG GCC ACC CAA ATG CGT AAA TTA ACT TCA AAT TTA CGG ATA GGA TTC GGG GCA TTT GTG GAT AAA CCC GTA TCG CCG TAC ATG TAT ATT AGT CCA CCT GAG GCG CTT GAA AAC CCC TGC TAC GAC ATG AAA ACA ACG TGT CTG CCT ATG TTT GGC TAC AAG CAT GTC CTA ACA TTA ACG GAT CAA GTC ACT AGG TTC AAC GAG GAA GTT AAA AAG CAG AGT GTG TCT CGC AAT AGA GAT GCT CCG GAA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	46
135	D-71	GGA GTA AGT AGT TGC CAG CAA TGT TTA GCA GTA AGT CCA ATG TGT GCA TGG TGC AGT GAT GAA GCA TTA CCA TTA GGA AGT CCA AGA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
137	D-72	GTA TTA GAA GAC AGA CCA TTA AGT GAT AAA GGA AGT GGA GAT AGT AGT CAA GTA ACA CAG GTA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
139	D-73	AAC ATC AAT TTA ATA TTT GCA GTC ACA GAA AAC GTA GTG AAT CTT TAC CAG AAC TAT AGT GAG CTA ATA CCA GGA ACA ACA GTA GGA GTT CTC AGT ATG GAT AGT AGT AAT GTA CTG CAA TTG ATT GTA GAC GCA TAT GGA AAA ATA AGA AGT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
141	D-74	ATA GGA TTT GGA GCA TTC GTA GAC AAA CCA GTA AGT CCT TAC ATG TAT ATA AGT CCA CCC GAA GCA TTA GAG AAT CCA TGC TAC GAT ATG AAG ACA ACA TGT TTA CCG ATG TTT GGA TAT AAA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
143	D-75	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA GGA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	47
145	D-76	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
147	D-77	AGA AAT AGA GAT GCA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
149	D-78	GAT GCA CCA GAA GGA GGA TTT GAC GCA ATA ATG CAA GCA ACA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
151	D-79	GAT GCA CCA GAA GGA GGA TTT GAC GCA ATA ATG CAA GCA ACA GTA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
153	D-80	GAT GCG CCA GAA GGT GGG TTT GAC GCG ATC ATG CAA GCT ACA GTG TGC GAC GAA AAA ATA GGC TGG AGA AAC GAT GCA AGT CAC CTC CTT GTC TTC ACA ACC GAT GCA AAA ACA CAT ATT GCC CTG GAC GGG AGA TTG GCC GGC ATA GTT CAA CCA AAT GAT GGT CAG TGT CAT GTA GGA TCA GAC AAT CAC TAT TCT GCT AGC ACT ACG ATG GAT TAC CCA TCC TTA GGA TTA ATG ACA GAG AAG CTA TCG CAG AAG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, viper and rattlesnake venom components: albolabrin, bitistatin, echistatin, eristostatin	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID, viper and rattlesnake bites	50
155	D-81	ATG GAC TTA AGT TAT AGT ATG AAA GAT GAT TTA TGG AGT ATA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	51
157	D-82	GGA CCA AAT ATA TGT ACA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
159	D-83	GGA CCA AAT ATA TGT ACA ACA AGA GGA GTAAGT AGT TGC	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
161	D-84	AAA GAT TCT TTA ATA GTA CAG GTA ACA TTT GAC TGT GAC TGT GCA TGT CAG GCA CAA GCA GAA CCC AAC TCG CAT AGA TGC AAC AAT GGA AAT GGC ACA TTC GAA TGC GGA GTA TGC AGA TGC GGA CCG GGT TGG TTA GGG AGT CAG TGT GAA TGC TCA GAG GAA GAT TAT AGA CCT TCC CAA CAA GAT GAG TGT AGC CCA AGA GAG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	53

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
163	D-85	CCT ACT TGC CCG GAT GCT TGC ACT TTT AAA AAA GAA TGT GTA GAA TGC AAA AAA TTT GAC CGT GAG CCC TAT ATG ACA GAA AAT ACT TGC AAC AGG TAT TGT AGA GAT GAA ATA GAG AGC GTT AAA GAG TTA AAA GAT ACA GGT AAA GAT GCA GTT AAC TGT ACA TAT AAA AAT GAG GAC GAT TGT GTG GTA CGA TTC CAA TAT TAT GAA GAC AGT TCA GGA AAA TCT ATA TTG TAT GTA GTG GAA GAG CCA GAA TGT CCA AAA GGG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	54
165	D-86	AAA GAT GAC TTA TGG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	55
167	D-87	AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA GGA GGA TTT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	24
169	D-88	CAC GTG GGG AGT GAC AAC CAT TAT TCC GCA TCT ACA ACT ATG GAC TAT CCA AGT CTG GGC TTA ATG ACA GAG AAG TTA AGC CAA AAG AAT TTA AAC TTG ATC TTT GCA GTT ACA GAG AAC GTA GTC AAT CTT TAC CAG AAT TAC AGT GAG CTA ATT CCA GGA ACG ACC GTA GGA GTA TTG TCG ATG GAT AGT TCA AAT GTC CTC CAA CTA ATA GTG GAT GCA TAT GGT AAA ATA AGA AGT AAA GTT GAA TTA GAA GTA AGA GAT CTC CCA GAA GAA CTT AGT CTG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	56

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
171	D-89	GAC GAT AGT AAA AAT TTC AGT ATT CAA GTA CGA CAA GTA GAA GAC TAT CCC GTT GAC ATC TAC TAT CTA ATG GAT TTA AGT TAC AGT ATG AAA GAT GAT TTA TGG AGT ATA CAG AAT TTG GGG ACC AAG CTT GCA ACC CAA ATG AGA AAG CTG ACA TCG AAC TTA AGG ATT GGA TTT GGA GCA TTC GTT GAT AAG CCT GTG TCA CCG TAT ATG TAC ATC TCT CCC CCA GAG GCT TTA GAA AAT CCG TGT TAC GAC ATG AAA ACG ACA TGT TTA CCT ATG TTT GGT TAT AAA CAT GTA TTA ACG CTC ACT GAC CAG GTA ACA CGT TTT AAC GAA GAG GTC AAG AAA CAG AGC GTG TCC CGG AAC CGC GAT GCG CCA GAG GGC GGA TTC GAC GCC ATA ATG CAA GCA ACT GTC TGC GAT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
173	D-90	TAT ATG TAC ATA AGT CCC CCG GAA GCA TTA GAG AAT CCT TGT TAC GAT ATG AAA ACT ACC TGC TTA CCA ATG TTT GGA TAT AAG CAT GTA TTA ACA TTA ACG GAC CAA GTA ACA AGA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
175	D-91	AGA AAT AGA GAT GCA TAT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
177	D-92	GAC GCA CCA GAA GGA GGA TTT GAT GCA ATA ATG CAA GCA ACA GTA TAT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
179	D-93	TGC TAT GAT ATG AAA ACA ACA TGT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI, Coxsackievirus A9	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	31, 59
181	D-94	AAT TTT AGT ATA CAG GTA AGA CAA GTA GAA GAC TAT CCA GTA GAT ATA TAT TAC TTA ATG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	60
183	D-95	GAT ATG AAA ACA ACA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	28

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
185	D-96	ATA AGT CCA CCA GCA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	61
187	D-97	AAA CAA AGT GTA AGT AGA AAT AGA GAT GCA CCA GAA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	62
189	D-98	GAT GAC AGT AAA AAT TTT AGT ATC CAG GTA AGA CAG GTA GAA GAT TAT CCA GTC GAC ATA TAT TAC CTC ATG GAC CTG AGT TAC AGT ATG AAG GAT GAT CTC TGG TCA ATT CAA AAT CTA GGG ACT AAG CTT GCG ACG CAA ATG AGA AAA TTG ACA AGC AAT TTA CGA ATT GGA TTT GGA GCA TTC GTC GAT AAG CCT GTT AGT CCT TAC ATG TAC ATC TCA CCC CCT GAA GCC TTA GAG AAC CCC TGC TAT GAC ATG AAA ACC ACA TGT TTA CCG ATG TTT GGT TAT AAA CAT GTG CTC ACG CTT ACG GAC CAA GTG ACT CGG TTC AAT GAG GAA GTA AAA AAG CAG TCT GTC AGT AGG AAC CGT GAT GCA CCG GAA GGA GGA TTT GAC GCG ATA ATG CAA GCC ACA GTA TGT GAC GAG AAA ATA GGC TGG CGC AAC GAT GCA TCC CAT TTA CTG GTG TTC ACC ACT GAT GCG AAA ACA CAC ATC GCA TTG GAT GGT AGA TTG GCT GGA ATA GTA CAG CCA AAT GAT GGC CAA TGC CAT GTC GGG AGC GAC AAC CAC TAT TCG GCA AGT ACC ACG ATG GAC TAC CCC AGC TTA GGT CTA ATG ACT GAG AAG TTA TCG CAG AAG AAC CTT AAC CTA ATC TTC GCT GTA ACA GAA AAT GTA GTT AAT TTA TAT CAA AAC TAC TCG GAA CTG ATA CCG GGA ACA ACA GTT GGG GTC TTG TCC ATG GAC TCA AGT AAT GTT TTA CAG CTA ATT GTG GAC GCT TAT GGC AAG ATT AGA TCC AAA GTG GAG TTA GAA GTT AGA GAT CTT CCA GAG GAG CTC TCT CTG TCT TTT AAC GCC ACC	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
191	D-99	GAT GAT TCT AAG AAT TTT TCC ATC CAG GTT CGA CAG GTC GAA GAT TAC CCA GTA GAC ATA TAT TAC CTA ATG GAT CTC AGT TAT AGT ATG AAG GAC GAT CTA TGG AGT ATC CAA AAC CTG GGC ACG AAA CTT GCC ACT CAA ATG CGG AAA TTA ACA TCA AAC TTG AGG ATT GGC TTT GGG GCA TTC GTG GAT AAA CCC GTA TCC CCA TAT ATG TAC ATC TCT CCA CCG GAG GCA CTC GAA AAC CCT TGC TAC GAC ATG AAG ACC ACA TGC CTT CCT ATG TTT GGG TAT AAA CAC GTG CTT ACT TTA ACC GAC CAG GTT ACG AGA TTC AAT GAA GAG GTA AAA AAG CAA AGT GTA AGC CGT AAC AGA GAC GCA CCG GAG GGA GGG TTC GAC GCA ATA ATG CAA GCT ACT GTC TGT GAC GAG AAG ATT GGA TGG AGA AAT GAT GCG TCG CAT TTG TTA GTC TTT ACA ACA GAT GCC AAA ACA CAC ATT GCG CTG GAC GGT CGC CTC GCA GGC ATA GTT CAG CCA AAT GAT GGT CAG TGT CAT GTG GGT AGT GAT AAT CAT TAT AGC GCT TCA ACA ACC ATG GAC TAC CCC AGT CTA GGA CTG ATG ACG GAA AAG TTG TCG CAA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
193	D-100	AAG CAA CTG AAT TTC ACG GCC TCT GGA GAG GCA GAG GCC CGC AGA TGC GCA CGG AGG GAA GAG CTC CTA GCT AGG GGA TGC CCC CTG GAG GAG CTA GAA GAG CCA CGT GGA CAG CAA GAG GTA CTA CAG GAT CAG CCG CTG TCG CAA GGA GCC CGA GGT GAG GGT GCG ACC CAG CTA GCA CCA CAA CGC GTA CGC GTT ACA TTA CGG CCA GGC GAA CCA CAA CAA TTA CAG GTA AGA TTT TTG CGT GCT GAA GGG TAT CCG GTG GAT TTA TAC TAT CTC ATG GAT CTT AGT TAC TCC ATG AAG GAT GAT CTA GAA AGG GTA CGC CAA CTG GGT CAT GCC TTA TTG GTA AGA TTA CAA GAA GTA ACA CAT AGC GTA CGT ATC GGG TTT GGA TCT TTC GTA GAC AAA ACC GTT TTA CCT TTC GTG AGT ACC GTG CCT AGC AAA TTG CGT CAC CCT TGT CCA ACT AGG CTT GAG CGA TGC CAG AGT CCG TTC TCA TTC CAC CAT GTT TTG AGT TTA ACT GGA GAT GCC CAG GCC TTC GAG CGA GAA GTC GGC CGG CAA TCC GTT TCT GGG AAT TTA GAC AGT CCC GAG GGA GGG TTT GAC GCG ATA CTT CAA GCA GCG CTC TGT CAG GAA CAG ATT GGC TGG CGA AAC GTC AGC AGA CTA TTA GTC TTT ACG AGT GAC GAT ACT TTT CAC ACA GCA GGG GAC GGA AAG CTT GGC GGT ATT TTT ATG CCC AGC GAC GGT CAT TGT CAC CTC GAT TCA AAT GGA TTG TAC AGT CGG TCC ACA GAA TTC GAT TAT CCT TCG GTG GGC CAG GTG GCG CAG GCA CTG AGT GCT GCA AAC ATC CAG CCA ATA TTT GCT GTT ACA TCG GCG GCG TTG CCG GTT TAC CAA GAA CTC TCA AAA TTA ATA CCC AAA TCC GCT GTC GGC GAA TTA TCT GAG GAC TCC TCA AAC GTG GTC CAA CTC ATC ATG GAC GCT TAT AAT TCG CTT AGT AGC ACG GTA ACA CTG GAA CAC TCA TCG CTT CCG CCC GGT GTC CAT ATT TCT TAT GAG AGT CAA TGT GAA GGG CCT	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
195	D-101	AGT TTT GTT GAT AAA ACA GTC CTG CCG TTC GTA AGT ACC GTA CCA AGT AAG TTA CGC CAT CCA TGT CCA ACG AGG TTG GAG AGA TGC CAG TCT CCT TTT TCC TTC CAC CAT GTC TTA AGC CTA ACT GGT GAC GCT CAA GCC TTT GAA CGG GAA GTA GGA AGA CAA TCG GTG AGT GGG AAC CTT GAT TCA CCC GAA GGA GGC TTC GAC GCA ATA TTA CAG GCG GCA CTC TGT CAG GAG CAA ATA GGA TGG CGA AAT GTT AGT CGT TTA TTA GTG	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
197	D-102	AAA CAA CTC AAT TTC ACA GCT AGT GGC GAA GCA GAG GCT AGG AGA TGC GCC AGG CGA GAA GAA TTA TTG GCA CGC GGG TGT CCC CTG GAG GAG CTT GAA GAG CCA CGG GGT CAG CAG GAA GTT TTA CAA GAT CAA CCA TTA AGT CAG GGA GCA CGC GGC GAA GGG GCG ACA CAA TTA GCG CCA CAG CGT GTC AGA GTG ACA TTG CGA CCA GGA GAG CCT CAA CAG TTA CAA GTA CGT TTT CTT CGG GCC GAG GGT TAC CCG GTA GAT CTG TAT TAC CTA ATG GAC CTC AGT TAT AGT ATG AAG GAC GAT CTA	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
199	D-103	GAA AAA CGT GAG GGA AAA GCC GAA GAC AGA GGC CAG TGT AAC CAC GTG AGG ATA AAC CAA ACC GTA ACC TTC TGG GTC TCG CTT CAG GCA ACT CAT TGT TTA CCC GAA CCA CAT TTG CTA CGC CTC CGG GCT TTA GGG TTT TCT GAG GAG CTC ATA GTT GAG CTA CAC ACG TTA TGT GAC TGC AAT TGC TCA GAC ACG CAA CCA CAA GCG CCA CAC TGT TCC GAT GGG CAG GGC CAC CTT CAA TGT GGA GTC TGT AGT TGC GCT CCT GGT AGA TTG GGT AGG CTG TGC GAG TGC AGT GTA GCT GAG TTA TCG AGT CCT GAT CTC GAA AGC GGA TGT CGC GCG CCG AAT GGG ACT GGA CCT CTG TGT TCC GGA AAA GGG CAT TGC CAG TGT GGT CGG TGC TCT TGC TCG GGT CAG TCA AGT GGC CAT TTG TGC GAA TGT GAC GAC GCC AGC TGT GAA CGG CAT GAG GGC ATT TTG TGC GGG GGT TTC GGC AGG TGC CAG TGT GGG GTG TGT CAC TGT CAT GCA AAC CGA ACA GGT CGA GCA TGC GAG TGT TCC GGC GAC ATG GAT TCT TGT ATA AGT CCG GAG GGA GGT TTA TGC AGT GGT CAT GGA AGA TGC AAG TGC AAT CGC TGC CAA TGC TTA GAT GGT TAC TAC GGA GCC CTA TGT GAT CAG TGC CCA GGC TGT AAG ACT CCA TGT GAA AGA CAC CGA GAC TGC GCA GAG TGC GGT GCG TTT AGA ACA GGC CCC CTG GCC ACC AAT TGC AGC ACA GCT TGT GCT CAC ACT AAT GTG ACG CTT GCA CTT GCG CCC ATA TTA GAT GAC GGC TGG TGT AAA GAA AGA ACA TTG GAT AAC CAA CTG TTT TTT TTC CTA GTA GAA GAC GAT GCC AGA GGC ACG GTA GTT CTC CGT GTT AGA CCG CAA GAA AAG GGA GCA GAT CAT ACC CAA GCA ATT GTA CTG GGG TGT GTT GGG GGA ATC GTC GCA GTG GGG CTA GGG CTC GTA CTT GCG TAT CGT TTA TCA GTC GAA ATC TAT GAT	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64

SEQ ID #	ID #	Nucleotide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
201	D-104	GAA CAT ATA CCA GCA	Mimics Integrin $\alpha_{IIb}\beta_3$ subunit	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	65
203	D-105	ATA CCA TGT AAT AAC AAA GGA GCA CAT AGT GTA GGA TTA ATG TGG TGG ATG TTA GCA AGA	67 kD LN receptor	LN	Meta	66
205	D-106	AAA GTA ATA TTA GAT AGA GGA GGA AGT GTA TTA GTA ACA TGT	ICAM-1	Fb	Thromb, Ather, SIRS, MOF, IR, ID	67
207	D-107	TGC TGG GAC GAT GGA TGG TTA TGT	Phage display library-mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
209	D-108	TGC TGG GAT GAC TTA TGG TTA TGT	Phage display library-mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
211	D-109	TGC TTA TTA AGA ATG AGA AGT ATA TGT	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	68
213	D-110	CCA GAT ACA AGA CCC GCC CCT GGA AGT ACA GCA CCG CCA GCG CAT GGA GTA ACA AGT GCT	MUC-1 protein	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	69
215	D-111	GAG TGG TGT GAA TAT TTA GGA GGA TAT TTA AGA TGC TAC GCA	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	70
217	D-112	GAA TGG CCA GAG TAT TTA	Rhinovirus coat protein 14	ICAM-1	Thromb, Auto, IBD, Ather, SIRS, MOF, Trans, Crohn's, SS, IR, ID	70

Ligand Abbreviations

CN I- Type I collagen
 CN II- Type II collagen
 CN III- Type III collagen
 Up to 19 different collagen types
 LN- Laminin
 VCAM-1- Vascular cell adhesion molecule-1
 FN- Fibronectin
 MadCAM-1- Mucosal addressin cell adhesion molecule-1
 TSD- Thrombospondin
 ICAM-1- Intercellular adhesion molecule-1
 ICAM-2- Intercellular adhesion molecule-2
 ICAM-3- Intercellular adhesion molecule-3
 ICAM-4- Intercellular adhesion molecule-4
 LPS- bacterial lipopolysaccharide
 iC3b- Complement fragment iC3b
 Fb- Fibrinogen
 VN- Vitronectin
 vWF- von Willebrand factor

Pathology Abbreviations

Thromb- Thrombosis
 Ather- Atherosclerosis
 SIRS- Systemic inflammatory response syndrome
 MOF- Multiple organ failure
 Auto- Autoimmune diseases
 ID- Inflammatory diseases
 Trans- Allograft transplant rejection
 Crohn's- Crohn's disease (one type of inflammatory disease)
 IBD- Inflammatory bowel disease
 NIF- hookworm neutrophils inhibitory factor
 Bact- Bacterial infection
 SS- Septic shock
 IR- Ischemia-reperfusion injury
 Meta- Metastasis, cancer

ADDENDUM B

TABLE 2 – PEPTIDE SEQUENCES

TABLE 2 – PEPTIDE SEQUENCES

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
2	P-1	TYKTKEEMIVATSQTSQY	Integrin α_2 subunit (CD49b, VLA-2, platelet gpl α) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	1
NA	P-2	TYK	Integrin α_2 subunit (CD49b, VLA-2, platelet gpl α) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
4	P-3	QTSQY	Integrin α_2 subunit (CD49b, VLA-2, platelet gpl α) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	2
6	P-4	IAVIG	Integrin α_2 subunit (CD49b, VLA-2, platelet gpl α) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	3
8	P-5	TKEEMIVATSQTSQYGGDL TNTFGAIQYARKYAYSAAS GGRRSATIKVMVVTDGES HDGSMKKAVIDQCNDHNL RFGIAVLGYLNRN	Integrin α_2 subunit (CD49b, VLA-2, platelet gpl α) I domain	CN I-IV, LN, Echovirus-1 receptor	Thromb, Ather, SIRS, MOF, SS, ID	4
10	P-6	YNVDTESALLYQGPHNTLF GYSWLHSHGAHRWLLVG APTAMWLAMASVINPGAI YRCRIGKNPGQTCEOLQLG SFHGEPGGKTCLEERDQ WLGVTLSR	Integrin α_4 subunit (CD49b, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
12	P-7	QDYVKKFGEHFASCQAGIS SFYTKDLIVMGAPGSSYWT GSLFVYMITTNKYK	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
14	P-8	QDYVKKFGEHFASCQAGIS SFYTKDLIVMGAPGSSYWT GSLFVYMITTNKYK	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	5
16	P-9	GHRWKNIFYIKNENKLPTG G	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
18	P-10	GGAPQHEQIGK	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
20	P-11	SYWTGS	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	6
22	P-12	MGAPGSSYWTG	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	7
24	P-13	YNVDTESALLYQGPHNTLF GYSWLHSHGAHRWLLVG A	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
26	P-14	IVTCGHRWKNIFYIKHENK LPTGGCYGVPPDLRTELSK RIAPGYQDYVKKFGEHFAS CQAGISSFYTKDLIVMGA	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
28	P-15	YMITTNKYKAFLGKQNQV KPGSYLGYSVGAGHFRSQ HTEVVGGAPQHEQIGKA YIFSIDEKELNILEMKGKK	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
30	P-16	LGSYFGASVGAVDLHADG FSDLLVGAPMQSTIREEGR VFVYINSGSGAVMNAMET NLVGSDKYAARFGESIVNL GDIDNDGFEDVAIGAPQED DLQGAIIYINGRADGISSTF SQRIEGLQISKLSMFGQSIS GQIDADNNGYVDVAVGAF RSDRSDSAVLLRTRPVVIV DASLSHPESVNRTKFDCVE NGWPSVCIDLTLCSYKGGK EVPGYIVLFYNMSLDVNRK AESPPRFYFSSNGTSDVITG SIQVSSREANCRTHQAFMR KDVRDILTPIQIEAAAY	Integrin α_4 subunit (CD49d, VLA-4)	VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	8
32	P-17	SSIIDDSYLGYSVAVGEFS GDDTDFVAGVPKGNLT GYVTILNGSDIRSLYNFSGE QMASYFGYVAATDVNG DGLDDLLVGAPLLMDRTP DGRPQEVGRVYVYLQHPA GIEPTPTLTLTGHDEFGRFG SSLTPLGDLDDQDGYNDVAI GAPFGGETQQGVVVFVPGG PGGLGSKPSQVLQPLWAAS HTPDFFGSALRGGRDLGDN GYPDLIVGSFGVDKAVVYR GRPIVSASASLTIFPAMFNP EERSCSLEGNPVACINLSFC LNASGKHVADSIGFTVELQ LDWQKQKGGVRRALFLAS RQATLTQTLLIQNGAREDC REMKIYLRNESEFRDKLSPI HIA	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	9
34	P-18	SYLGYSVAVGEE\$GDDTDF VAGVPKGNLTGYVTILN GSDIRSLYNFSGEQMASYF GYVAATDVNGDGLDDLL VGAPLLMDRTPDGRPQEV GRVYVYLQHPAGIEPTPTL TLTGHDEFGRFGSSLTPLG DLDQDGYNDVAIGAPFGG ETQQGVVVFVPGGPGGLGS KPSQVLQPLWAASHTPDFF GSALRGGRDLGNGYPDLI VGSFGVDKAVVYRG	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	10
36	P-19	AHGSSILACAPLYSWRTEK EPLSDPVGTCYLSTDNFTRI LEYAPCRSDFSWAAGQGY CQGGFSAEFTKTGRVVLGG PGSYFWQQQILSATQEQA ESYYPEYLINLVQQQLQTR QASSIY	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	11
38	P-20	LACAPL	Integrin α_5 subunit (CD49e, VLA-5)	FN, L1, invasin	Thromb, Ather, SIRS, ID	11
40	P-21	GVDVDQDGETELIGAPLFY GEQRG	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
42	P-22	ITDGEATDSGQIDAAKDIIY IIGI	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	12
44	P-23	PENITDGEATSGC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	13-14
46	P-24	PENGVDVDQDGETC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	15
48	P-25	CPNKEKEC	Integrin α_L subunit (CD11a) I domain	ICAM-1, ICAM-2, ICAM-3, LPS,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	16
50	P-26	LIDGSG	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β -glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
52	P-27	FKEFQNNPNRSLVKP	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β -glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17
54	P-28	ARKNAFKILVVITDGEK	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β -glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	17, 18
56	P-29	GCPQEDSDIAFLIDGSGSIIP HDF	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β -glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19
58	P-30	FRRMKEFVSTVMEQLKKS KTLFS	Integrin α_m subunit (CD11b) I domain	iC3b, ICAM-1, ICAM-2, ICAM-4, Fb, Factor X, CD23, NIF, heparin, β -glucan, LPS	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	19
60	P-31	GNSFPASLVVAAEEGERE	Integrin α_{IIb} subunit (CD41) heavy chain	Fb, FN, VN, TSP, Vwf	Thromb, Ather, SIRS, MOF, IR, ID	20

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
62	P-32	NAQIGIAMLVSVGNLEEAG ESVSFQLQI	Integrin α_{11b} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
64	P-33	TLGPSQEETGGVFLCPWR	Integrin α_{11b} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
66	P-34	AEGGQCPSLLFDL	Integrin α_{11b} subunit (CD41) heavy chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
68	P-35	AMVTVLAFWLPSLYQRP LDQFVLQSHAFNVSSLPY AV	Integrin α_{11b} subunit (CD41) light chain	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	20
70	P-36	GAHYMRALSNE	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	21
72	P-37	GAPL	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
74	P-38	GDGRHDLVVGAPL	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	22
76	P-39	TDVNGDGRHDL	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
78	P-40	GDGRHDLVVGAP	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	23
80	P-41	GDGRHDLVVGAPLY	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	24
82	P-42	EFDGDLNTEYVVGAPTW SWTLGAVEILDSYYQLHR LRAEQMASYFGHSVAVTD VNGDGRHDLVVGAPLYME SRADRKLAEVGRVYLFLQP RGPHALGAPSLLLTGTQLY GRFGSAIAPLGDLDRDGYN DIAVAAPYGGPSGRGQVLV FLGQSEGLRSRPSQVLDSPF PTGSAFGFSLRGAVDIDDN GYPDIVGAYGANQVAVY RAQPVVKASVQLLVQDSL NPA	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	25
84	P-43	AVTDVNGDGRHDLVVGAP LY	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	26
86	P-44	FSSVVTQAGELVLGAPGGY YFLGLLAQAPVADIFSSYRP GILLWHVSSQSLSFSSNPE YFDGYWGYSVAVGEFDGD LNTTEYVVGAPTWSWTLG AVEILDSYYQLHRLRAEQ MASYFGHSVAVTDVNGDG RHDLLVVGAPLYMESRADR KLAEVGRVYLFLQPRGPHA LGAPSLLLTGTQLYGRFGS AIAPLGDLDRDGYNDIAVA APYGGPSGRGQVLVFLGQS EGLRSRPSQVLDSPFPTGSA FGFSLRGAVDIDDNGYPDL IVGAYGANQVAVYRAQPV VKASVQLLVQD	Integrin α_{11b} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	27

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
88	P-45	DKLSPIV	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
NA	P-46	QM	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
90	P-47	VVLH	Integrin α_{IIb} subunit (CD41)	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	28
92	P-48	DLYYLDLSYSMK	All integrin β subunits	FN, Fb, CN I, VN	All named pathologies	29
NA	P-49	D\$\$\$D\$X\$X\$KDDL; \$ = any hydrophobic residue; X = any residue	All integrin β subunits	All named ligands	All named pathologies	29
94	P-50	YCRKENSSEICSNNGECVC GQCVCRRKRDNTNEIYSGKF CECDNFNCDRSNGLICGGN GVCKCRVCECNPNYTGSA CDCSLDTSTCEASNGQICN GRGICECGVCKCTD	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	30
96	P-51	See sequence listing	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	31
98	P-52	LRLRSGEPQFTTLKFKRAE DYPIDLYYLDLSYSMKD DLENVKSLGTDLNMNEMRR ITSDFRIGFGSFVEKTVMPY ISTTPAKLRNPCTSEQNCTT PFSYKNVLSLTNKGEVFNE LVGKQIRISGNLDSPEGGF AIMQVAVCGSLIGWRNVT RLLVFSTDAGFHAFAGDGKL GGIVLPNDGGQCHLENNMY TMSHYDYDPSIAHLVQKLS ENNIQTIFAVTEEFQPVYKE LKNLIPKSA	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	32
100	P-53	NKGEVFNELVGK	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	33
102	P-54	TAEKL	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	34
104	P-55	DYPIDLYYLDLSYSMKD DLENVKSLG	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	35
106	P-56	NVKS LGTALMREMEKITSDF	Integrin β_1 subunit (CD29)	FN, LN, CN, VCAM-1, FN, MAdCAM-1, TSP, invasin	Auto, Ather, SIRS, MOF, Trans, SS, ID Crohn's, IBD, IR	36

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
108	P-57	GQKQLSPQKVTLYLTPGQ AAAFNVTFERRAKGYPIDLY YLMDSLVSMLDDLNRVKK LGGDLLRALNEITESGRIGF GSFVDKTVLPFVNTHPKL RNPCPNKEKECQPPFAFRH VLKLTNNSNQFQTEVGKQ LISGNLDAPEGGLDAMMQ VAACPEEIGWRNVTRLLVF ATDDGFHFAGDGKLGAILT PNDGRCHLEDNLYKRSNEF DYPSVGQLAHKLAENNIQP IFAVTSRMVKTYEKLTEIIP KSA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	37
110	P-58	YPIDLYYLMDSLVSMLDDL RNVKKLGGDLLRALNEITE SGRIGFGSFVDKTVLPFVNT HPDKLRNPCPNKEKECQPP FAFRHVLKLTNNSNQFQTE VGKQLISGNLDAPEGGLDA MMQVAACPEEIGWRNVTR LLVFATDDGFHFAGDGKL GAILTPNDGRCHLEDNLYK RSNEFDYPSVGQLAHKLA ENNIQPIFAVTSRMVKTYEK LTEIIPKSAVGELSEDSSNV VHLIKNAYNKLSSRVFLDH NALPDTLKVITYDSF	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	38
112	P-59	RNVKK	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
114	P-60	QPPFA	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
116	P-61	LISGNL	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
118	P-62	GQLAH	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	39
120	P-63	ELSEDSSNVVHLIKNAYNK LSSRVFLDHNALPDTLKVT YDSFCSNGVTHRNQPRGD CDGVQINVPITFQVKVTAT ECIQEQSFVIRALG	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β - glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
122	P-64	GFTDIVTVQVLPQCECRCDQSRDRSLCHGKGFLECGICRCDTGYIGKNCECQTQG	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	40
124	P-65	CNAFKILVVITDGEK	Integrin β_2 subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
126	P-66	TGIRKVVRELFNITNGARK N	Integrin β_2 subunit (CD18) A domain	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	41
128	P-67	DLSYSLDDLNRNVKKLGGDLLRALNE	Integrin β_2 subunit (CD18)	ICAM-1, ICAM-2, ICAM-3, ICAM-4, LPS, iC3b, Fb, Factor X, CD23, NIF, heparin, β -glucan,	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, hookworm, IR, ID	42, 43
130	P-68	DYPVDIYYLMDLSYSMKDLWSIQNLGTLATQMRKLTSNLRIGFGAFVDKPVSPYMYISPPE	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	44
132	P-69	DAPEGGFDAIMQATV	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	45
134	P-70	FSIQVRQVEDYPVDIYYLMDLSYSMKDDLWSIQNLGTLATQMRKLTSNLRIGFGAFVDKPVSPYMYISPPEALENPCYDMKTTCLPMFGYKHVLTLDQVTRFNEEVKKQSVSRNRDAPE	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	46
136	P-71	GVSSCQOCLAVSMPMAWC SDEALPLGSPR	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
138	P-72	VLEDRPLSDKSGDSSQVT QV	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
140	P-73	NINLIFAVTENVVNLQNYSELIPGTTVGVLSDSSNV LQLIVDAYGKIRS	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIla)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
142	P-74	IGFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYK	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	20
144	P-75	SVSRNRDAPEGG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	47
146	P-76	SVSRNRDAPEG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
148	P-77	RNRDA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	48
150	P-78	DAPEGGFDAIMQAT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
152	P-79	DAPEGGFDAIMQATV	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	49
154	P-80	DAPEGGFDAIMQATVCDE KIGWRNDASHLLVFTTDA KTHIALDGRLAGIVQPNDG QCHVGSDNHYSASTTMDY PSLGLMTEKLSQK	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, viper and rattlesnake venom components: albolabrin, bitistatin, echistatin, eristostatin	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID, viper and rattlesnake bites	50
156	P-81	MDLSYSMKDDLWSI	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	51
158	P-82	GPNICT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
160	P-83	GPNICTTRGVSSC	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	52
162	P-84	KDSLIVQVTFDCDCACQAQ AEPNSHRCNNGNGTFECG VCRCGPGWLGSQCECSEE DYRPSQQDECSPRE	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	53

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
164	P-85	PTCPDACTFKKECVECKKF DREPMTENTCNRYCRDEI ESVKELKDTGKDAVNCTY KNEDDCVVRQYYEDSSG KSILYVVEEPECPKG	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	54
166	P-86	KDDLW	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	55
168	P-87	SVSRNRDAPEGGF	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	24
170	P-88	HVGSDNHYSASTTMDYPS LGLMTEKLSQKNINLIFAVT ENVVNLYQNYSELIPGTTV GVLSMDSSNVLQLIVDAYG KIRSKVELEVRDLPEELSL	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	56
172	P-89	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCD	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
174	P-90	YMYISPPEALENPCYDMKT TCLPMFGYKHVLTLDQV TR	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	57
176	P-91	RNRDAY	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
178	P-92	DAPEGGFDAIMQATVY	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	58
180	P-93	CYDMKTTT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1, Coxsackievirus A9	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	31, 59
182	P-94	NFSIQVRQVEDYPVDIYYL M	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	60
184	P-95	DMKTT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP,BSP, LN, CN, L1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	28

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
186	P-96	ISPPA	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	61
188	P-97	KQSVSRNRDAPE	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	62
190	P-98	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCDEKIGWRNDA SHLLVFTTDAKTHIALDGR LAGIVQPNDDGQCHVGSDN HYSASTTMDYPSLGLMTE KLSQKNINLIFAVTENVVN LYQNYSELIPGTTVGVLMS DSSNVLQLIVDAYGKIRSK VELEVRDLPEELSLSFNAT	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63
192	P-99	DDSKNFSIQVRQVEDYPVD IYYLMDLSYSMKDDLWSIQ NLGTLATQMRKLTSNLRI GFGAFVDKPVSPYMYISPP EALENPCYDMKTTCLPMF GYKHVLTLDQVTRFNEE VKKQSVSRNRDAPEGGFD AIMQATVCDEKIGWRNDA SHLLVFTTDAKTHIALDGR LAGIVQPNDDGQCHVGSDN HYSASTTMDYPSLGLMTE KLSQ	Integrin β_3 subunit (CD 61; platelet glycoprotein gpIIb)	Fb, FN, VN, TSP, vWF, OP, BSP, LN, CN, LI	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	63
194	P-100	KQLNFTASGEAEARRCARR EELLARGCPLEELEPRGQ QEVLDQPLSQGARGEGA TQLAPQRRVRLRPGEPQQ LQVRFLRAEGYPVDLYYL MDLSYSMKDDLVRVRLG HALLVRLQEVTHSVRIGFG SFVDKTVLPFVSTVPSKLR HPCPTRLERCQSPFSFHHVL SLTGDAQAFEREVGRQSVS GNLDSPEGGFDAILQAALC QEQIGWRNVSRLLVFTSDD TFHTAGDGKLGIFMPSDG HCHLDSNGLYSRSTFDYP SVGQVAQALSAANIPIFA VTSAAALPVYQELSKLIPKSA VGELSEDSSNVVQLIMDAY NSLSSTVTLEHSSLPPGVHI SYESQCEGP	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
196	P-101	SFVDKTVLPFVSTVPSKLR HPCPTRLERCQSPFSFHHVL SLTGDAQAFEREVGRQSVS GNLDSPEGGFDAILQAALC QEQIGWRNVSRLLV	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64

SEQ ID #	ID #	Peptide Sequence	Derived from	Targeted Ligand	Targeted Pathology	Cite #
198	P-102	KQLNFTASGEAEARRCARR EELLARGCPLEEEPRGQ QEVLDQDPLSQGARGE TQLAPQVRVTLRPGEPQQ LQVRFLRAEGYPVDLYYL MDLSYSMKDDL	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
200	P-103	EKREGKAEDRGQCNHVRI NQTVTFWVSLQATHCLPEP HLLRLRALGFSEELIVELHT LDCNCSDTQPQAPHCS QGHLCQGVCSAPGRLGR LCECSVAELSSPDLESGCR APNGTGPLCSGKGHCQCG RCSCSGQSSGHLCECDDAS CERHEGILCGGFGRQCQGV CHCHANRTGRACECSGDM DSCISPEGGLCSGHGRCKC NRCQCLDGYYGALCDQCP GCKTPCERHRDCAECGA TGPLATNCSTACAHTNVT ALAPILDDGWCKERTLDN QLFFFLVEDDARGTVVLRV RPQEKGADHTQAIVLGC GGIVAVGLGLVLA YRLSVE IYD	Integrin β_7 subunit (LPAM-1)	VCAM-1 FN, MAdCAM-1, E-cadherin (cadherin-1)	Auto, SS, MOF, Trans, Crohn's, IBD, IR, ID	64
202	P-104	EHIPA	Mimics Integrin $\alpha_{IIb}\beta_3$ subunit	Fb, FN, VN, TSP, vWF	Thromb, Ather, SIRS, MOF, IR, ID	65
204	P-105	IPCNNKGAHSVGLMWWMLAR	67 kD LN receptor	LN	Meta	66
206	P-106	KVILDRGGSVLVTC	ICAM-1	Fb	Thromb, Ather, SIRS, MOF, IR, ID	67
208	P-107	CWDDGWLC	Phage display library-mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
210	P-108	CWDDLWLC	Phage display library-mimics RGD binding site in integrins	FN, VN	Thromb, Ather, SIRS, MOF, IR, ID	55
212	P-109	CLLRMRSIC	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	68
214	P-110	PDTRPAPGSTAPPAHGVTS A	MUC-1 protein	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	69
216	P-111	EWCEYLGGYLRCYA	Phage display library	ICAM-1	Thromb, Auto, SS, Ather, SIRS, MOF, Trans, Crohn's, IBD, bact, SS, IR, ID	70
218	P-112	EWPEYL	Rhinovirus coat protein 14	ICAM-1	Thromb, Auto, IBD, Ather, SIRS, MOF, Trans, Crohn's, SS, IR, ID	70

Ligand Abbreviations

CN I- Type I collagen

Pathology Abbreviations

Thromb- Thrombosis

CN II- Type II collagen
CN III- Type III collagen
Up to 19 different collagen types
LN- Laminin
VCAM-1- Vascular cell adhesion molecule-1
FN- Fibronectin
MadCAM-1- Mucosal addressin cell adhesion molecule-1
TSP- Thrombospondin
ICAM-1- Intercellular adhesion molecule-1
ICAM-2- Intercellular adhesion molecule-2
ICAM-3- Intercellular adhesion molecule-3
ICAM-4- Intercellular adhesion molecule-4
LPS- bacterial lipopolysaccharide
iC3b- Complement fragment iC3b
Fb- Fibrinogen
VN- Vitronectin
vWF- von Willebrand factor

Ather- Atherosclerosis
SIRS- Systemic inflammatory response syndrome
MOF- Multiple organ failure
Auto- Autoimmune diseases
ID- Inflammatory diseases
Trans- Allograft transplant rejection
Crohn's- Crohn's disease (one type of inflammatory disease)
IBD- Inflammatory bowel disease
NIF- hookworm neutrophils_inhibitory factor
Bact- Bacterial infection
SS- Septic shock
IR- Ischemia-reperfusion injury
Meta- Metastasis, cancer